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**DOE-FEMP MSL 531-0297 HAMILTON COUNTY OU1 & OU2 SEDIMENT AN
EROSION CONTROL DRAWINGS 91X-5900-G-00233, 00234, 00237 AND
75X-5900-G-00455, 00456**

07/01/96

OEPA DOE-FN
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COMMENTS



State of Ohio Environmental Protection Agency

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FERNALD

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FILE

George V. Voinovich
Governor

July 1, 1996

RE: DOE FEMP
MSL 531-0297
HAMILTON COUNTY
OU1 & OU2 SEDIMENT AND
EROSION CONTROL DRAWINGS
91X-5900-G-00233, 00234, 00237
AND 75X-5900-G-00455, 00456

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

Dear Mr. Reising:

This letter provides a summary of today's conference call between Ohio EPA, DOE and FERMCO concerning the above referenced drawings. The letter summarizes Ohio EPA comments and resolution of those comments per the conference call between our office. Our initial comments with the responses in italics follow.

OU1

DRAWING 91X-5900-G-00237

- ▶ Check Dam detail does not conform to Rainwater and Land Development guidelines. Use of hay bales are not considered acceptable. *Check dams will be constructed per Rainwater and Land Development guidelines.*
- ▶ Silt fence fabric should conform to fabric properties in Rainwater and Land Development guidelines, unable to determine fabric properties from drawing. *Specifications of silt fence fabric will be checked to assure conformance with specifications in Rainwater and Land Development guidelines.*

DRAWINGS 91X-5900-G-00233 & 00234

- ▶ Reason for installation of silt fence along railroad unclear. Position does not follow contour and appears to function as diversion to flow from railroad directing flow to drainage ditch through culvert at section 1 G00240. *Flow will be field verified to assure that water does not flow along RR side of fence and into drainage ditch untreated.*

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- ▶ Flow into sediment pond may short circuit flowing directly to outlet without allowing sufficient settling time. Recommend the installation of baffles per Rainwater and Land Development guidelines. *Baffles will be installed per Rainwater and Land Development guidelines.*
- ▶ Ditch improvements should be scheduled so that work progresses in sections from downstream to upstream, stabilizing each downstream section prior to beginning work on the next section. *Ditch improvements will be scheduled as indicated.*
- ▶ Dimensions of sediment pond need to be shown in drawings. *Dimensions will be shown as indicated.*
- ▶ Drawings need to show location/type of indicator to show level at which sediment must be cleaned. *A suitable indicator will be installed and labelled, painted stripe is acceptable.*

OU2

DRAWINGS 75X-5900-G-00455 & 00456

- ▶ Show sediment pond dimensions on drawings. *Dimensions will be shown as indicated.*
- ▶ Silt fence appears to be used as a diversion mechanism rather than using diversion ditches. Special precautions must be taken to prevent lateral flow along fence from eroding base of fence. *Fence will be checked for erosion at foot during weekly stormwater inspections.*
- ▶ Drawings need to show location/type of indicator to show level at which sediment must be cleaned. *A suitable indicator will be installed and labelled, painted stripe is acceptable.*
- ▶ Assure that ODOT 712.09 type C fabric properties are equivalent to fabric properties in Rainwater and Land Development guidelines (e.g. ODOT UV exposure strength 70% using ASTM D 4355 equivalent to Rainwater and Land Development guideline strength 90% using ASTM-G-26). *Specifications of silt fence fabric will be checked to assure conformance with specifications in Rainwater and Land Development guidelines.*

Sincerely,



Joe Bartoszek
Environmental Specialist
Division of Surface Water, Water Quality Unit

cc: Terry Hagen, FERMCO
Tom Schneider, OFFO

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